TO,

EXECECUTIVE ENGINEER
PROJECT DIVISION
YELAHANKA ZONE

PMC & INSPECTION REPORT

Dear Sir,

Subject: Regarding Inspection reports for the below mentioned work

: **Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division.**

Item no	Description of Work	Unit	Qty
3	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint	Rmt	96

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	over one coat of shop paint complete as per specifications and directions of the Engineer in charge.		
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	**Cum**	**57.62**
5	Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour ,complete as per specifications.complete as per specifications and directions of the Engineer in charge.	**Sqm**	**1006.61**
7	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification. (5km lead = 57+2*1.28X5). complete as per specifications and directions of the Engineer in charge	**Cum**	**1.46**
12	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery,	**Cum**	**4.54**

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	curing complete as per specifications.complete as per specifications and directions of the Engineer in charge.		
13	Supplying and fixing M.S rectangular poles made out of two equal angles of 65X65X6 mm welded together and fixed in CC 1:2:4 with two numbers 16mm dia M.S hold fast rods each of length 25cms including cost of all materials cutting, bending scaffolding whereever necessary, nicely finishing the welded jonts with all lead lift and as per the direction of engineer incharge of the work and including providing two coats of approved quality paint over coat of shop painting (excluding cost of earthwork and concrete)..complete as per specifications and directions of the Engineer in charge	**m**	**47.50**
14	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work.		**60.07**

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15	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangularpoleas and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour lead and lift and as per the directions of the engineer incharge of work including two coats of approved quality paint over one coat of shop paint. completion of the work as per direction of engineer in charge of work.	**Sqm**	**115.20**
17	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other.completion of the work as per direction of engineer in charge of work		**7.20**
18	Providing and applying enamel metal paint two coats (exclusive primer coat) over new steel or other metal surfaces brushing to give an shade after cleaning oil grease dirt and other forien matters including cost of materials labour complate as per specifications.		**192.00**

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43	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.complete as per specifications and directions of the Engineer in charge	**cum**	**3.07**
44	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.	**cum**	**2.84**
45	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charg	**cum**	**4.54**
46	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.complete as per specifications and directions of the Engineer in charge.	**sqm**	**2.78**
50	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. complete as per specifications and directions of the Engineer in charge.	**sqm**	**19.20**

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52	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. complete as per specifications and directions of the Engineer in charge.	**sqm**	**13.37**
53	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.	**sqm**	**89.49**
54	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.	**Not operate d**	
56	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per complete as per specifications and directions of the Engineer in charge.	**cum**	**15.81**

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57	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.complete as per specifications and directions of the Engineer in charge.	**cum**	**4.54**
58	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. complete as per specifications and directions of the Engineer in charge.	**Tonne**	**3.57**
59	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.complete as per specifications and directions of the Engineer in charge.	**Sqm**	**69.53**

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60	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, complete as per specifications and directions of the Engineer in charge.	**M**	**13944.16**
61	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification complete as per specifications and directions of the Engineer in charge.	**Cum**	**607.62**
63	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.	**Sqm**	**15.63**

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64	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .complete as per specifications and directions of the Engineer in charge.	**Sqm**	**85.52**
65	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.	**Sqm**	**37.41**
68	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. complete as per specifications and directions of the Engineer in charge.	**Sqm**	**85.52**
69	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.complete as per specifications and directions of the Engineer in charge.	**Sqm**	**437.53**

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75	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.	**Sqm**	**95.54**
76	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	**Sqm**	**87.48**
77	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification and directions of the Engineer in charge.	M	16.50
79	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	**No**	**3.00**

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80	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of the Engineer in charge.	**Cum**	**0.013**
81	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. complete as per specifications and directions of the Engineer in charge.	**Sqm**	**11.40**
82	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive	**Sqm**	**4.20**

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	compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.complete as per specifications and directions of the Engineer in charge		
84	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge	Sqm	-5.60
86	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	**Sqm**	**52.48**
87	OVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters,	**Sqm**	**141.50**

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	channels and trusses. complete as per specifications and directions of the Engineer in charge.		
90	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness*60mm width*2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. complete as per specifications and directions of the Engineer in charge.	**Sqm**	**80.02**
91	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	**Sqm**	**2.00**
92	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and directions of the Engineer in charge.	**Each**	**6.00**
93	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe.do - 110 mm dia	**mt**	**166.40**
94	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe. do-160mm dia	**mt**	**40.98**

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95	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	**Each**	**4.00**
97	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) and directions of the Engineer in charge.	**Unit**	**2.00**
98	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	**Unit**	**4.00**
99	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	**Each**	**4.00**
100	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	**Each**	**2.00**

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101	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge.20mm nominal OD pipes	**m**	**52.00**
102	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge.25mm nominal OD pipes	**m**	**31.75**
103	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	**No**	**2.00**
104	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	**No**	**2.00**

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105	Providing wash basin brackets of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot.complete as per specifications and directions of the Engineer in charge.	**No**	**2.00**
106	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. .complete as per specifications and directions of the Engineer in charge.	**No**	**2.00**
107	Providing of stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all)..complete as per specifications and directions of the Engineer in charge.10 cms x 10 cms	**Not operate d**	
109	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 25mm dia, 2mm thick	**Rmt**	**115.80**

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110	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 32mm dia, 2mm thickk	Mtr	75.00
111	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. complete as per specifications and directions of the Engineer in charge. 19/20mm dia, 2mm thick.	Mtr	12.60
114	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.Short point upto 3m .complete as per specifications and directions of the Engineer in charge	No	15.00
115	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient	Mtr	75.00

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	loose length in a wood/PVC round block, complete for each outlet.Medium point above 3m - 6m .complete as per specifications and directions of the Engineer in charge		
116	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary .25mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.	**Mtr**	**60.00**
117	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary .32mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge	**Not Operated**	
119	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.25mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.	**Mtr**	**15.00**

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120	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654.6AMP 3/5 and Switch.complete as per specifications and directions of the Engineer in charge.		6.00
122	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654.6AMP 3/5 and Switch.complete as per specifications and directions of the Engineer in charge.		6.00
125	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.2.5sqmm. complete as per specifications and directions of the Engineer in charge.	Mtr	900.00
126	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.4sqmm. complete as per specifications and directions of the Engineer in charge.	Mtr	480.00
127	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and directions of the Engineer in charge.	No	4.00
128	Supplying and fixing of regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute.12 way SP & N.complete as per specifications and directions of the Engineer in charge.	each	1.00

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129	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898.6-32 AMPS DP.complete as per specifications and directions of the Engineer in charge.	Each	15.00
130	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia, ..complete as per specifications and directions of the Engineer in charge.	**Each**	**4.00**
131	Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required.25 x 3mm G.I strip.complete as per specifications and directions of the Engineer in charge.	**Mtr**	**80.00**
132	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting.complete as per specifications and directions of the Engineer in charge.	Each	32.00
133	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system .complete as per specifications and directions of the Engineer in charge.48" sweep (1200mm)	**Each**	**2.00**

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